ALAMEDA COUNTY
CONGESTION MANAGEMENT AGENCY

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ADDENDUM NO. 2

UPTOWN TRANSIT PROJECT
PROJECT NO. 06-05

December 19, 2005

Dear Contractor:

This addendum is being issued to the contract for the Uptown Transit Project, Project No. 06-05.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on **Thursday, January 5, 2005 at 2 P.M. (PST).**

This addendum is being issued to revise the Notice to Contractors, Special Provisions, Proposal and Contract. The following items indicate additions and/or deletions to the above referenced documents, and are hereby made a part thereof and are subject to all applicable requirements hereunder as if originally shown and/or specified.

The documents of this project are hereby changed as follows:

I. Plans

1) Add the attached Drawing No. A01, dated December 9, 2005, to the Contract Plans.

2) Throughout the Contract Plans, work at the southeast corner of Telegraph Avenue and 20th Street shall be revised in accordance with the attached Drawing No. A01.

3) Drawing Nos. C24 and C25 – Delete these drawings in their entirety and replace with the attached Drawing Nos C24 and. C25, Addendum No. 2, dated December 16, 2005.

4) Drawing No. E05 – Delete drawing in its entirety and replace with the attached Drawing No. E05, Addendum No. 2, dated December 9, 2005.

5) Drawing No. TS1 – Delete drawing in its entirety and replace with the attached Drawing No. TS1, Addendum No. 2, dated December 8, 2005.

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II. Special Provisions

1) Seal pages: Add the attached additional seal page, identified as Seal Page, page 1 of 1, Addendum No. 2.

2) Table of Contents, add 5-10, Safety, and 5-11, Surveying, to the end of Section 5, General.

3) Table of Contents, Change 10-11, Drainage Inlet, 10-11.01, Measurement, and 10-11.02, Payment, to read 10-11, Storm Manhole and Drainage Inlet, 10-11.01, Materials, 10-11.02, Construction, 10-11.03, Payment, and 10-11.04, Measurement.

4) Table of Contents, add to the end of the Appendices: Appendix D – APWA Southern California Chapter Standard Plans

5) Section 3-1.02, "Award of the Contract" – Change the third sentence in second paragraph to read:

> "Such award, if made, will be made within 120 calendar days after the opening of the proposals".

6) Section 5-5.01, "City of Oakland Permit", Change the entire paragraph to read:

> "Prior to start of work, the Contractor shall obtain required permits from the City of Oakland. ACCMA will pay permit fees. The Contractor shall obtain and pay for all Business Licenses, prior to starting work and shall maintain same at all times during the contract."

7) Add Section 5-5.02 "Other Permits" to read as follows:

> "The Contractor shall obtain other permits as required for the project construction, including permit from BART. The Contractor will be responsible for all coordination work. ACCMA will pay all fees associated with the Permits."

8) Add Section 5-10, "Safety", and 5-11 "Surveying", to the end of Section 5, "General".

> **"5-10 SAFETY**
>
> Section 7-10.4.1 Safety Orders of the Standard Specifications for Public Works Construction shall apply to the work.

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REPLACE THE SECOND PARAGRAPH WITH THE FOLLOWING TWO PARAGRAPHS:

Before excavating any trench 5 feet or more in depth, the Contractor shall submit a detailed plan to the Engineer showing the design of shoring, bracing, sloping, or other provisions to be made for the workers' protection from the hazard of caving ground during the excavation of such trench. The Contractor shall submit the shoring plan in advance of any excavation. If such plan varies from the shoring system standards established by the Construction Safety Orders for the Division of Industrial Safety of the State of California, the plan shall be prepared by a registered civil or structural engineer licensed to practice in California. The Contractor is responsible for site safety. Nothing in this requirement shall be deemed to allow the use of shoring, sloping, or protective system less effective than that required by the Construction Safety Orders. Nothing in this requirement shall be construed to impose tort liability on the City of Oakland, ACCMA, or any of their consultants or employees.

The Contractor shall provide positive ventilation during work in existing sewerage facilities or while making connections to existing sewerage facilities. The Contractor's employees working in said facilities shall be provided with safety lines, harnesses, gas detectors, and other protective equipment as required by OSHA and CAL/OSHA.

Section 7-10.4.4 Confined Spaces of the Standard Specifications for Public Works construction shall apply to the work.

ADD THE FOLLOWING PARAGRAPH TO THE END OF SUBSECTION 7-10.4.4:

d) Additional City of Oakland Requirements: The following are considered confined spaces for the purposes of 7-10.4: all manholes, lift stations, tanks, vaults, pipelines, some trenches and excavations, or other enclosed or partially enclosed spaces. Contractors are prohibited from entering such confined spaces for any reason and at any time, unless specifically authorized to do so in written contractual agreements. The Contractor is responsible for compliance with Cal/OSHA standards and regulations pertaining to confined space entries. The Contractor shall provide any required air monitoring equipment, safety equipment and emergency rescue devices for confined space entry. Contractors shall ensure that emergency rescue services are provided for their employees who may be involved in confined space entry and that such emergency services comply with applicable Cal/OSHA requirements.

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5-11 SURVEYING

5-11.01 GENERAL

Contractor shall perform surveying services as required for layout and performance of the Work. The work includes providing field engineering services as required to verify lines, levels, grades, and elevations, and that the work was constructed and installed accurately within specified tolerances.

The work also includes survey services for obtaining field measurement of work quantities to be determined by survey.

Submittals:

Complete survey notes, drawings, and calculations as the work progresses and submit one copy of each survey document to the Engineer for record purposes. Submit construction survey notes to the Engineer within 48 hours after completion of the Contractor's survey. Submit maps showing all final centerline, station, and other Contractor-installed monumentation, properly prepared and submitted to the Engineer for approval.

Field Notes and Records: Furnish the original pages of all survey records to the Engineer at intervals required by the Engineer. Furnish each field notebook to the Engineer when filled or completed.

Qualifications: Surveying services and field engineering services shall be performed under the direct supervision of a professional land surveyor or civil engineer currently licensed or registered in the State of California. A civil engineer providing field surveying shall have been registered prior to 1982 or have a current professional land surveyors license in the State of California.

Preservation: Existing monuments shall be carefully preserved by the Contractor. In case such monuments are destroyed or damaged, the Contractor shall make arrangements for and pay the costs of replacing existing monuments.

Surveying Requirements: Perform all surveys for layout and performance of the Work, provide stakes or markers, reduce the field notes, and make all calculations and drawings necessary to carry out such work. The Contractor shall check the relative positions of existing monuments and bench marks to be used and shall report any damaged or out-of-position monuments to the Engineer at once. The

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Contractor shall check such relative positions each time the Contractor uses such monument or bench mark.

Datum: The Contractor shall be responsible for correctly locating all lines and grades and for performing all measuring as required for the construction and completion of the Work from established reference points and information is shown on the Contract Drawings.

Equipment and Personnel: The Contractor's instruments and other survey equipment shall be accurate, suitable for the surveys required in accordance with recognized professional standards, and in proper condition and adjustment at all times.

Use by the Engineer: The Engineer may at any time use line and grade points and markers established by the Contractor. The Contractor's surveys are a part of the work and may be checked by the Engineer at any time. The Contractor shall be responsible for lines, grades, or measurements which do not comply with specified or proper tolerances, or which are otherwise defective, and for any resultant defects in the work. The Contractor shall conduct resurveys or check surveys to correct errors indicated by review of the field notebooks or by check surveys performed by the Engineer.

Surveying Accuracy: Control traverse field surveys and computations, including surveys of main control lines to determine horizontal and vertical alignment of major structure components, shall meet the accuracy requirements for Second Order, Class I Surveys as specified by the National Oceanic and Atmospheric Administration (NOAA) "Surveying Standards". Staking for construction or equipment installations shall meet the accuracy requirements for Second Order, Class II Surveys as specified by NOAA.

Tolerances: The tolerances generally applicable in setting survey stakes shall be as set forth in the preceding paragraph. Such tolerances shall not supersede stricter tolerances required by the Contract Drawings or Specifications, and shall not otherwise relieve the Contractor of responsibility for measurements in compliance therewith.

5-11.02 MEASUREMENT

"Surveying" shall be measured on a per lump sum basis.

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11) Section 10-3, "Demolition": At 10-3, "Demolition", at the end of the third paragraph, add the following new sentence and new paragraph:

"Produce Concrete Surface Profile (CSP) 5 or greater per ICRI Technical Guideline "Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays".

After performing surface preparation for an area of the existing basement slab using actual equipment and techniques proposed for the work, perform the following test: ASTM C1583, Tensile Strength of Concrete Surfaces and the Bond or Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method), or ACI 503R, Use of Epoxy Compounds with Concrete, Appendix A, A.1, Field test for surface soundness and adhesive. Perform test at a minimum of 4 locations as selected by the Engineer. Minimum tensile strength: 200 psi. Use bonding adhesive specified for bonding concrete to basement slabs. If surface profile is not sufficient, perform additional surface preparation and re-test."

12) 10-10 Miscellaneous Concrete Provisions, 10-10.01 General, add the following new paragraph under the fourth paragraph:

"Submit product data on bonding adhesive, non-woven fiberglass tape, fiber reinforcement, color hardener, curing agents, and sealer."

13) 10-10 Miscellaneous Concrete Provisions, Under the paragraph entitled "Sidewalk Installer Qualifications:" At the end of paragraph, add the following new sentences:

"Submit proof that the installer of concrete sidewalks has previously produced thin overlay concrete of a similar nature and complexity to the concrete specified herein and can comply with the provisions specified herein and shown on the plans. Proof shall be in two successful installations, similar in scope to that specified herein, and located within a 50 mile radius of Oakland. Proof shall include name and location of projects, explanation of portion of the work being cited, and contact information for owners."

14) 10-10 Miscellaneous Concrete Provisions, add a new sentence at the end of paragraph which reads: "Saw cutting for curb ramps shall be to the exterior dimensions of the curb ramp."

"Sidewalk joints shall be sawcut. Sawcutting shall be performed when sidewalk concrete is "green" unless Contractor demonstrates that satisfactory jointing can be

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performed after concrete as hardened. In any case, sawcutting shall be performed in a consistent manner and produce consistent results."

15) 10-10 Miscellaneous Concrete Provisions, paragraph which starts: "Concrete mix design for concrete sidewalk over existing basement roof:" Delete second bulleted item and substitute the following:

- "Water cement ratio: 0.40 to 0.45."

16) 10-10 Miscellaneous Concrete Provisions, paragraph which starts: "Concrete mix design for concrete sidewalk over existing basement roof:" Delete seventh bulleted item (waterproofing admixture).

17) 10-10 Miscellaneous Concrete Provisions, under "Installation of concrete over basements:" Delete paragraph and substitute the following:

"Refer to Section entitled "Demolition" in these Special Provisions for requirements for preparation and testing of slab over basement prior to applying bond coat.

Prior to applying Concresive LPL (bonding adhesive) as a bond coat, perform the following steps over cracks in substrate over basement roof: Apply coat of bonding adhesive to area over cracks, roll non-woven fiberglass tape into bonding adhesive, apply additional bonding adhesive over tape, and apply coarse sand. Clean up loose sand after bonding adhesive cures. Proceed with use of bonding adhesive over entire area to receive concrete prior to application of concrete in accordance with bonding adhesive manufacturer's instructions.

Place concrete taking care to work concrete into surface irregularities of existing concrete. Sawcut joints as specified herein. Ensure that joints are cut to depth indicated on the Plans. Minimum joint depth shall be 1/2 inch. Cure utilizing damp burlap covered with plastic or using similar method acceptable to the Engineer. Maintain damp cure for 72 hours, minimum. Burlap covered plastic or other method shall be utilized in manner which ensures consistent finish (no areas of discoloration)."

18) 10-10 Miscellaneous Concrete Provisions, Under paragraph that begins "Installation of dark decorative PCC sidewalk": Delete the third through fifth bulleted items and substitute the following:

- "Apply smooth trowel surface. Avoid "shiners" at scored sidewalk paving joints.
- Cure with curing compound; protect surface during construction.
- Sawcut control joints into surface per the Plans.

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- Apply a light sand final surface finish (light disc sanding abrasion or light 20:1 acid wash final finish) to reveal silicas to match approved samples to offset squares at the corner of Telegraph and 20th.
- Apply a light sand final surface finish (light disc sanding abrasion or light 20:1 acid wash final finish) to reveal silicas to match approved samples at dark decorative PCC sidewalk areas at locations of future bus shelters.
- Coat with TekSeal by Surtec-Systems a minimum of 28 days after concrete placement."

19) Section 10-10, "Miscellaneous Concrete Provisions", at the end of 10-10.01 under "Curb Ramp Detectable Warning Surface" add the following requirements. :

"A curb ramp shall have a 3' wide detectable warning border the full width of the ramp bottom. For most Type E or Type C ramps these detectable warning borders shall be 4' long, i.e. the ramp width. Detectable warnings shall consist of raised truncated domes with a nominal diameter of 0.9 inch at the base tapering to 0.45 inch at the top, a nominal height of 0.2 inch, and a nominal center-to-center spacing of 2.35 inches in compliance with Standard Detail S-7 of the 2002 City of Oakland Standard Details with curb ramp revisions of May 2004. "Nominal" here shall be in accordance with Section 12-11A and B-102, State Referenced Standards Code. The domes shall be set "in-line" parallel to gutter.

The detectable warning shall provide sound attenuation different than the adjacent paving and be federal yellow in color. The material used to provide color shall be an integral part of the walking surface. Detectable dome warning tiles or strips shall be made of polymer plastic or approved equal. The closest corner of the bottom left and bottom right truncated dome tile shall be set 6" from flowline."

20) Section 10-11, "Drainage Inlet": Delete Section 10-11, "Drainage Inlet", in its entity and substitute the following:

"10-11. STORM MANHOLE AND DRAINAGE INLET

10-11.01 MATERIALS

ADD NEW SUBSECTION 201-8 TO READ AS FOLLOWS:

201-8 MANHOLES, DRAINAGE INLETS, AND APPURTENANT MATERIALS.
Material quality, the manufacture process, and the finished sections shall be subject to the Engineer's inspection and approval. Such inspection may be made at the manufacture place and/or on the job site after delivery. The materials shall

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be subject to rejection at any time for failure to meet any of the Specification requirements even though samples may have been accepted as satisfactory at the manufacture place. Materials rejected after delivery to the job site shall be marked for identification and shall be removed at once from the job site. All materials damaged after delivery and prior to project acceptance by City shall be rejected, even if installed. The Engineer's judgment on the materials shall be final. The Contractor may attempt to make acceptable repairs on installed material(s), if the Engineer so agrees. However, the Engineer's judgment on the repairs' acceptability will be final. Unsatisfactory material shall be removed and replaced with satisfactory material entirely at the Contractor's expense. The Engineer may accept a certification indicating compliance with the specifications in lieu of inspection.

201-8.1. Materials.

201-8.1.1 Rock Base. Rock base shall conform to the requirements of 201-1 and 200-1.2 and shall be one-inch nominal size.

201-8.1.2 Cement Mortar. Cement mortar shall conform to the requirements of 201-5.

201-8.2 Manholes

201-8.2.1 Cast-In-Place Concrete Manholes. Materials used in cast-in-place concrete manholes shall be as shown on the plans and in accordance with the applicable requirements of 201.

201-8.2.2 Pre-cast Manhole Sections. Pre-cast manhole sections, where not otherwise modified in the Plans, shall conform to ASTM C478 and meet the following requirements:

a. The wall thickness shall not be less than 4 1/8 inches.
b. All sections shall be fully cured and shall not be shipped nor subjected to loading until the design compressive strength has been reached.
c. Pre-cast base sections shall have the base slab integral with the sidewalls. Pre-cast base sections may only be used if the invert plan and base alignment of the sewer connections exactly match the field-measured angles between the connecting sewers.

201-8.2.3 Manhole Bases. Materials used in cast-in-place concrete manhole bases shall be in accordance with the applicable requirements of Section 201. At the Contractor's option and with the Engineer's approval, pre-cast base sections with integral floor conforming to ASTM C478 may be used.

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201-8.2.4 Plastic Pipe Connections. Plastic pipe connections to manholes shall have a rubber waterstop tightly banded to the pipe and cast into the manhole base. Banding materials shall be 316 stainless steel or other approved corrosion resistant materials secured with Type 305 stainless steel nuts and bolts.

201-8.2.5 Manhole Extensions. Concrete grade rings for extensions shall be a maximum of six inches thick. In general, manhole extensions will be used on all manholes in roads, streets or other locations where a subsequent change in existing grade may be likely. Extensions will be limited to a maximum height of 18 inches.

201-8.2.6 Jointing Manhole Sections. Male and female joints of manhole sections shall be sealed with a round rubber "O" ring gasket or a preformed flexible joint sealant. The "O" ring shall conform to ASTM C443. The preformed flexible joint sealant shall conform to Federal Specifications SS-S00210, and be Kent Seal No. 2 as manufactured by Hamilton-Kent; Ram-Nek as manufactured by K. T. Snyder Company; or equal. The size of the preformed joint sealant shall be as recommended by the manufacturer of the pre-cast manhole sections.

201-8.3. Drainage Inlet. Drainage Inlet shall conform to the City of Oakland Standard Plan No D-4, in Appendix A.

201-8.3. Storm Drain Concrete Culvert. Culvert shall conform to the City of Oakland Standard Plan No D-14, in Appendix A.

10-11.02 CONSTRUCTION

ADD NEW SUBSECTION 303-8 TO READ AS FOLLOWS:

303-8 INSTALLATION OF MANHOLES, DRAINAGE INLETS, AND APPURTENANCES.

303-8.1 General.

303-8.1.a Structure Excavation and Backfill. Structure excavation and backfill shall conform to the applicable requirements of 300-3 and 306-1.

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303-8.1.b Rock Base. Prior to placing the concrete manhole base, a minimum of eight inches of rock base or crushed rock approved by the Engineer shall be placed upon the earth subgrade and compacted to 90 percent (90%) relative compaction by mechanical means.

303-8.1.c Concrete Manhole Base. Concrete manhole base shall be constructed as shown on the Plans and Standard Details and shall conform to the applicable requirements of Section 303. The concrete shall be vibrated to density and screened so that the first precast manhole section will be placed on a level uniform bearing surface for the full circumference. An approved metal forming ring shall be used to form a level joint groove in the fresh concrete of the manhole base to receive the first precast manhole section. Sufficient mortar or Ramnede shall be deposited on the base to assure a watertight seal between base and manhole wall or the first precast manhole section shall be placed on the concrete base before the concrete has set. The first section shall be properly located and plumbed.

303-8.1.d Placing Precast Manhole Sections. Precast manhole sections shall be carefully inspected prior to installation. Sections with chips or cracks in the tongue shall not be used. The ends of precast manhole sections shall be cleared of foreign materials.

The precast sections shall be installed in a manner that will result in a watertight joint. Rubber "O" Ring gaskets or preformed flexible joint sealant shall be installed in strict conformance with the manufacturer's recommendations. Only pipe primer furnished by the gasket manufacturer will be approved. If leaks appear in the manholes, the inside joint shall be caulked with non-shrink epoxy mortar to the satisfaction of the Engineer.

303-8.1.e Manhole Channels. Manhole channels shall be constructed as shown on the Plans and Standard Details and with smooth transitions to ensure unobstructed flow through the manhole. All sharp edges or rough sections that tend to obstruct flow shall be removed. Where a full section of pipe is laid through a manhole, a neatly cut half pipe shall be laid to form the channel. The exposed edge of the pipe shall be completely covered with mortar. All mortar surfaces shall be troweled smooth. Breaking out the top half section of pipe after installation is not acceptable.

303-8.1.g Flexible Joints. Flexible joints shall be provided not more than 1-1/2 feet from manhole walls. Pipes entering manholes shall be laid out on firmly compacted base rock or crushed rock approved by Engineer.

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Semi-permanent plugs shall be installed in the stubout ends with gasket joints similar to the sewer pipe being used. Plugs shall be capable of withstanding all internal or external pressures without leakage. All plugs shall be adequately braced to prevent blowoffs.

303-8.1.i Permanent Plugs. Interior contact surfaces of all pipes to be cut off or abandoned shall be cleaned. Concrete plugs shall be constructed in the end of all pipe 18 inches or less in diameter. Minimum length of concrete plugs shall be 8 inches. For pipe 21 inches and larger, the plugs may be constructed of common brick or concrete block. The exposed face of block or brick shall be plastered with mortar. All plugs shall be watertight and capable of withstanding all internal and external pressures without leakage.

303-8.1.j Manhole Extensions. Extensions shall be installed in conformance with the details shown on the Plans and to a height to match finished grade. Grade rings shall be lined in mortar with the sides plumb and tops level. Joints shall be sealed as specified for manhole sections. Extensions shall be watertight.

303-8.1.k Manhole Frames and Covers. Frames and covers shall be installed on top of manholes to prevent all infiltration of surface water or groundwater into manholes. Frames shall be set in a bed of mortar with mortar carried over the flange of the ring as shown on the Plans. Frames shall be set so cover tops are flush with surface of adjoining pavement or ground surface, unless otherwise shown or directed. Concrete manhole collars shall be provided and installed as shown on the Standard Details.

303-8.1.m Manhole Steps. Manhole steps shall be installed as shown on the Standard Details.

303-8.2 Structure Testing.

303-8.2.a Vacuum Testing. All project manholes shall be vacuum tested. The Contractor shall furnish all materials, equipment and labor for making a vacuum test. Vacuum test procedures and requirements shall be as follows:

1. After completion of the manhole barrels but prior to backfilling and grade ring installation, all manhole openings shall be sealed with plugs and a rubber ring "donut" type plug inserted inside the cone opening.
2. A small vacuum pump shall be attached to a hose connected to the plug and 4 psi of vacuum shall be applied.
3. The vacuum shall be permitted to stabilize at 3.5 psi for one minute; then the test shall begin.

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4. The manhole must maintain vacuum such that no greater then 0.5-psi of vacuum shall be lost during the specified test period.
5. The specified test period is as follows:

Manhole Depth (Ft.)	Test Period (Min.)
0-5	4.5
5-10	5.5
10-15	6.0
Greater than 15	6.5

6. Manholes failing the test shall be patched as required and re-tested.
7. A vacuum regulator shall be provided on the vacuum pump such that no pressure greater than 10 psi can be applied to the manhole during the test. All manholes not meeting the leakage test or are unsatisfactory from a visual inspection shall be repaired to the Engineer's satisfaction.

303-8.2.b Hydrostatic Testing. At the Contractor's option and with the Engineer's approval, hydrostatic testing may be substituted for vacuum testing. The test shall consist of plugging all inlets and outlets and filling the manhole with water to a height determined by the Engineer. Leakage in each manhole shall not exceed 0.1 gallon per hour per foot of head above the invert

All manholes that do not meet the leakage test or are unsatisfactory from a visual inspection shall be repaired to the Engineer's satisfaction.

10-11.03 MEASUREMENT

"Drainage Inlet" shall be measured on a per unit basis.

"Trench Drain" shall be measured on a linear foot basis.

"Manhole" shall be measured on a per unit basis.

"Storm drain concrete culvert" shall be measured on a per unit basis.

10-11.04 PAYMENT

The contract unit price paid for "Storm Drain Inlet Structure" shall include full compensation for furnishing all labor, materials, tools, equipment, hauling and

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stockpiling, and incidentals, for all the work in installation of inlet, including potholing, excavation, compaction, reinforcement, concrete, miscellaneous metal work including grate, all connections, complete-in-place as shown on the Plans, as specified in the Standard Specifications, these Special Provisions and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The contract unit price paid for "Trench Drain" shall include full compensation for furnishing all labor, materials, tools, equipment, hauling and stockpiling, and incidentals, for all the work in installation of trench drain, including excavation, aggregate base, backfill, compaction, formwork, miscellaneous metal work, hand hole frame and cover, steel reinforcement, corrugated steel sheet, concrete and all connections, complete-in-place as shown on the Plans, as specified in the Standard Specifications, these Special Provisions and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The contract unit price paid for "Manhole" for each type shall include full compensation for furnishing all labor, materials, tools, equipment, hauling and stockpiling, and incidentals, for all the work in installation of manhole, including potholing, excavation, compaction, reinforcement, concrete, precast sections, steps, constructing inverts, furnishing and installing castings, all connections, complete-in-place as shown on the Plans, as specified in the Standard Specifications, these Special Provisions and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The contract unit price paid for "Storm drain concrete culvert" for each type shall include full compensation for furnishing all labor, materials, tools, equipment, hauling and stockpiling, and incidentals, for all the work in installation of culvert, including potholing, excavation, , miscellaneous metal work, hand hole frame and cover, steel reinforcement, corrugated steel sheet, concrete, compaction, all connections, complete-in-place as shown on the Plans, as specified in the Standard Specifications, these Special Provisions and as directed by the Engineer, and no additional compensation shall be allowed therefor."

21) Section 10-12, "Drainage Pipe", under 10-12.02, immediately preceding 306-1.5 Trench Resurfacing, add the following requirements:

"306-1.4 Testing Pipelines.

REPLACE SUBSECTION 306-1.4.1 WITH THE FOLLOWING:

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306-1.4.1 General. All project pipelines shall be tested for leakage as specified herein. Before any pipelines are tested, they shall be cleaned in accordance with 306-1.4.7 All leakage tests shall be completed and approved prior to placing of permanent resurfacing.

When leakage or infiltration exceeds the amount allowed by the specifications, the Contractor at its expense shall locate the leaks and make the necessary repairs or replacements in accordance with the Specifications to reduce the leakage or infiltration to the specified limits. Any individually detectable leaks shall be repaired, regardless of the test results. Leakage tests shall be made on completed pipelines as follows:

- Storm Drains: Not required unless called for on Plans or in Specifications.

306-1.4.4 Air Pressure Test.
REPLACE THE 5TH THROUGH 7TH PARAGRAPHS WITH THE FOLLOWING:

1. Sewer flow control, as required, shall be provided in accordance with 500-1.1.4.
2. The pressure exerted on the pipe by the average adjacent groundwater shall be determined as specified in 500-5.2. Air shall be introduced into the pipeline until 4.0-psi (27kPa) gage pressure has been reached or if groundwater is present, 4.0 psi (27kPa) above the computed pressure exerted by the average adjacent groundwater. Reduce the flow of air and maintain the air pressure within plus or minus 0.5 psi (3kPa) for at least two minutes to allow the internal air pressure to reach equilibrium.
3. The pipeline pressure shall be constantly monitored by a gage and hose arrangement separate from the hose used to introduce air into the line. A blow-off valve shall be provided on the test apparatus to prevent over pressurizing the pipeline.
4. After the temperature has stabilized and no air leaks at the plugs have been found, the air pressure shall be permitted to drop until the internal pressure has reached 3.5 psi (24kPA) gage pressure or when groundwater is present, 3.5 psi (24kPa) above the computed pressure exerted by the average adjacent groundwater. A stopwatch or sweep-second-hand watch shall be used to determine the time lapse required for the air pressure to decrease an additional 1.0-psi (7kPa).
5. If the time (T) in seconds required for the air pressure to decrease the additional 1.0-psi (7kPa) exceeds that shown in the Table 306-1.4.4 (A) titled, "Low Pressure Air Test for Sewers", the pipe shall be presumed to be within acceptance limits for leakage. (Reference to pipe diameter in the table is to the inside diameter. For pipe or liner diameters not shown in this table, the time requirement for the next larger diameter pipe listed in the table shall be met.)

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6. If the time lapse is less than that shown in the table, the Contractor shall make necessary corrections to reduce the leakage to acceptance limits without additional compensation.

306-1.4.7 Sewer Line Cleaning. After all backfilling is complete and structure frames and covers have been set, and prior to the performance of leakage tests, closed circuit television inspection, and acceptance of the work, the Contractor shall, in the presence of the Engineer and in a manner approved by the Engineer, clean and flush all pipe sewers.

A temporary sand trap of a design approved by the Engineer shall be securely placed within the outlet pipe of the next lower manhole of the pipe sewer section to be flushed and cleaned. The sand trap shall catch all debris flushed and cleaned. The sand trap shall catch all debris flushed downstream and prevent it from being carried into the pipe sewer below. The Contractor shall carefully remove all debris collected by the sand trap from the manhole.

The Contractor shall not remove any sand trap installation without first receiving the Engineer's approval. Where sewers have been flushed without a sand trap, the City will inspect and clean existing downstream public sewers to an extent necessary to remove material and debris at the Contractor's expense.

Cleaning and flushing shall be done either by a rubber ball or by means of a high-pressure jet of water fed through the entire length of the line. The rubber ball manufactured for this purpose shall be inflated to fit snugly into the pipe, and propelled through the line only by flush water introduced into the structure in back of the ball.

The Contractor shall conduct a closed circuit television (CCTV) inspection of all storm and sanitary sewer pipe installation, replacement and pipe rehabilitation projects in accordance with 500-1.1.5. Such videotapes shall clearly show the post-construction condition of project pipelines and sewer structures. Manholes shall show the manhole walls plus the sewer inflow and outflow pipe-to- manhole connections. Pipeline cleaning shall be performed prior to CCTV inspection in accordance with 500-1.1.4. The original VHS videotape and accompanying video log reports of the CCTV inspection shall be submitted to the Engineer. The project shall not be deemed complete and acceptance granted until the video and log reports have been reviewed and their contents approved by the Engineer."

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22) Section 10-12, "Drainage Pipe": Delete 10-12.03, "Measurement" and 10-12.04, "Payment" and substitute the following:

"10-12.03 MEASUREMENT

"HDPE Storm Drain" shall be measured on a linear foot basis. Storm drain shall be measured in horizontal planes from structure center to structure center. Payment shall be made on horizontal measurement. (For payment purposes, the cover center shall be considered as the structure center.)

10-12.04 PAYMENT

The contract unit price paid for high density polyethylene (HDPE) storm drain as designated by diameter shall include full compensation for furnishing all labor, materials, tools, equipment, hauling and stockpiling, and incidentals, for all the work in installation of HDPE pipe, potholing, excavation, installation of bedding, trench backfill, connections, testing, complete-in-place as shown on the Plans, as specified in the Standard Specifications, these Special Provisions and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The contract unit price for pipe shall include wyes, tees, bends, and special details shown on the plans; the closing or removing of abandoned conduit structures; the sawcutting of bituminous pavement, concrete pavement, curbs, gutters, sidewalks, and driveways; the excavations of the trench; the removal of interfering portions of existing sewers, storm drains, and improvements; the disposal of the excavated material; the control of ground and surface waters and the control of the existing pipe sewer and/or conduit flows, water pollution control; the preparation of subgrade; placing and joining pipe, supplying and placement of bedding material; supplying and placement of imported backfill material; reconstruction of existing structure channels with new pipe sewer; permanent and temporary resurfacing not paid by separate bid item; removal and replacement of pavement markings, traffic striping, and pavement markers; replacement of curbs, gutters, sidewalks, and driveways; landscape restoration, fence replacement, removal of debris and materials, pipeline cleaning; leakage testing; CCTV acceptance inspection of the completed pipeline; and all work necessary to install the pipe or conduit, complete in place."

23) Section 10-21.01, "Modify Signal Phasing and Re-Wire Intersection – General", Change third paragraph to read:

"Splice Chamber and Signal Head Mounting Hardware will be Agency Furnished. The Contractor shall coordinate with the City of Oakland in advance of the need to obtain the Agency Furnished materials. The Contractor shall use Signal Cables for signal modifications as specified in Appendix A. The Contractor shall install

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Agency Furnished Splice Chambers and Signal Head Mounting. Installation details are shown in Appendix A"

24) Section 10-24, "Measurement and Payment", under 10-24.01 "General", at first paragraph, add the words "pedestrian push buttons," after the "signal heads,".

III. Proposal Forms

1) Replace the Bid List with the attached Bid List, Pages 3 and 4.

2) Replace the Bidder's Bond form with the attached "Bidder's Bond", Page 16 and 17.

IV. Appendices

1) Appendix A: Add the attached City of Oakland Standard Detail D-14.

2) Add Appendix D, American Public Works Association, Southern California Chapter, Standard Plan including Appendix D cover sheet and Standard Plan 324-0, Sheets 1 and 2.

To Proposal and Contract book holders:

- Indicate receipt of this addendum by completing the addenda certification form in your proposal.
- Replace the Bid List with the attached forms.
- Submit bids in the Proposal and Contract book you now possess.
- Inform subcontractors and suppliers as necessary.

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

ALAMEDA COUNTY
CONGESTION MANAGEMENT AGENCY

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This office is sending this addendum via fax and mail to Proposal and Contract book holders to ensure that each receives it.

Sincerely,

FRANK FURGER, DEPUTY DIRECTOR
Alameda County Congestion Management Agency

Attachments: Drawing No. A01
Drawing No. C24
Drawing No. C25
Drawing No. E05
Drawing No. TS1
Additional seal page
Revised Bid List
Bidder's Bond Form
City Standard Detail D-14
Appendix D Cover Sheet
AWPA – Southern California Chapter Standard Plan 324-0, Sheet 1 and 2

END OF ADDENDUM NO. 2

****

BID LIST

UPTOWN TRANSIT CENTER PROJECT
Project No. 06-05

Base Bid

Item No.	Item Description	Estimated Quantity	Unit	Unit Price	Total
1.	Construction waste management	1	LS		
2.	Progress schedule (critical path method)	1	LS		
3.	Traffic control system	1	LS		
4.	Coordination with City	1	LS		
5.	Coordination with TWTC	1	LS		
6.	Coordination with SBC	1	LS		
7.	Coordination with PG&E	1	LS		
8.	Coordination with EBMUD	1	LS		
9.	Coordination with AboveNet	1	LS		
10.	Coordination with BART	1	LS		
11.	Mobilization	1	LS		
12.	Demolition	1	LS		
13.	Trench for PG&E gas line	1	LS		
14.	Adjust sanitary sewer manhole to grade	3	EA		
15.	Adjust water valve cover to grade	7	EA		
16.	Adjust gas valve cover to grade	4	EA		
17.	Adjust water monitoring well cover to grade	1	EA		
18.	Adjust AboveNet manhole to grade	1	EA		
19.	Removable curb plate	1	EA		
20.	Sidewalk elevator frame and door	1	EA		
21.	Roadway excavation	335	CY		
22.	AC patch	1050	SF		
23.	AC base	316	CY		
24.	PCC road pavement	16130	SF		
25.	PCC cross walks with architectural finish	950	SF		
26.	PCC sidewalk	9894	SF		
27.	PCC sidewalk with arch. finish to match (e)	970	SF		
28.	Dark decorative PCC sidewalk	3405	SF		
29.	Modified Type-B curb and gutter	1000	LF		
30.	ADA 'Case E' curb ramp	6	EA		
31.	Driveway	200	SF		
32.	Thickened slab at windscreen	2	EA		
33.	Sealant joint bet. new sidewalk and (e) building	575	LF		

Item No.	Item Description	Estimated Quantity	Unit	Unit Price	Total
34.	Type B storm drain inlet structure	2	EA		
35.	Trench Drain	120	LF		
36.	HDPE storm drain 12 in. ID	35	LF		
37.	Pier Foundation for Canopies	12	EA		
38.	Traffic Signage, Stripping, and Markings	1	LS		
39.	Electrical and Telecommunications	1	LS		
40.	Traffic Signal System	1	LS		
41.	Signal Interconnect System	1	LS		
42.	Surveying	1	LS		
43.	Type 1 storm drain manhole	1	EA		
44.	Storm drain concrete culvert	1	EA		
45.	Type B curb and gutter	20	LF		
46.	Modified 4 in. Type B curb and gutter	40	LF		
BASE BID TOTAL					

BID ALTERNATE NO. 1
Delete provisions for canopy or canopies

Item No.	Item Description	Estimated Quantity	Unit	Unit Price	Total
1.	Delete dark decorative PCC sidewalk and substitute PCC sidewalk	1980	SF		
2.	Delete thickened slab at windscreen	2	EA		
3.	Delete pier foundation for canopy	12	EA		
4.	Delete electrical and telecommunications conduit run between hand hole and canopy foundations at each canopy	6	EA		
TOTAL TO BE DEDUCED FROM BASE BID TOTAL					

Write-In (Base Bid Total) _____

Note: All Bid Prices shall be all inclusive including all applicable taxes and all other incidentals.

BIDDER'S BOND TO ACCOMPANY PROPOSAL

Know all men by these presents:

That we, _____, as principal and, as corporate surety, duly authorized to issue bonds in the State of California, are held firmly bound unto the ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY in the sum of Dollars, ($_____) to be paid to the said ACCMA or its certain attorney, its successors and assigns; for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors or assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That if the certain proposal of the above bounden _____to construct the **UPTOWN TRANSIT CENTER PROJECT** dated _____, is accepted by the ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY, and if the above bounden _____, his heirs, executors, administrators, successors and assigns, shall duly enter into and execute a contract for such construction, and shall execute and deliver the two bonds described along with the executed contract within eight (8) days, not including Sundays and legal holidays, from the date of notification that contract was awarded to the above bounden by and from the said ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY that said contract is ready for execution, then this obligation shall become null and void; otherwise it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, we hereunto set our hands and seals this _____ day of _____, 2005.

_____

_____

_____

The undersigned encloses herewith bidder's bond, certified check, or cashier's check No. _____ of the _____ Bank, for $_____ which is not less than ten percent (10%) of this bid, payable to the Alameda County Congestion Management Agency, which is given as a guarantee that the undersigned will enter into the contract if awarded the work.

The undersigned hereby certifies that this bid is genuine and not a sham or collusive or made in the interest or in behalf of any person not herein named and that the undersigned has not directly or indirectly induced or solicited any other bidder to put in a sham bid, or any other person, firm or corporation to refrain from bidding, and that the undersigned has not in any manner sought by collusion, to secure for itself an advantage of any other bid.

Nature of firm (corporation, partnership, individual, etc.) and names of individual members of the firm, or names and titles of officers of the corporation including affirmative action officer.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
	AFFIRMATIVE ACTION OFFICER

If a corporation, organized under the laws of the State of_____.

Licensed in California in accordance with an act providing for the registration of Contractors. License No._____, Class _____.

ADDENDA

This Proposal is submitted with respect to the changes to the Plans and Special Provisions included in addendum number(s).

_____

(Fill in addendum number(s) if addenda have been received.)

Warning

If an addendum or addenda have been issued by the ACCMA and not noted above as being received by the bidder, this Proposal may be rejected.